	Application No.	Applicant(s)	
	1		
Notice of Allowability	10/614,052	AHMED ET AL. Art Unit	
	Examiner	Art Unit	1
	Walter L. Lindsay, Jr.	2812	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	i (OR REMAINS) CLOSED in this a) or other appropriate communication (IGHTS. This application is subject	application. If not included on will be mailed in due c	d :ourse. THIS
1. This communication is responsive to			
2. ☑ The allowed claim(s) is/are <u>1-14</u> .			
3. \boxtimes The drawings filed on <u>08 July 2003</u> are accepted by the E	xaminer.		
 4. Acknowledgment is made of a claim for foreign priority unally All by Some* cy None of the: Certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the priori	e been received. e been received in Application No. cuments have been received in thi	s national stage applicati	
5. A SUBSTITUTE OATH OR DECLARATION must be submiNFORMAL PATENT APPLICATION (PTO-152) which give	res reason(s) why the oath or decla	R'S AMENDMENT or NO ration is deficient.	OTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mu			
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached			
 □ hereto or 2) □ to Paper No./Mail Date □ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 			
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	1.84(c)) should be written on the draw the header according to 37 CFR 1.12	wings in the front (not the l 1(d).	back) of
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	osit of BIOLOGICAL MATERIAL FOR THE DEPOSIT OF BIOLOGI	. must be submitted. N ICAL MATERIAL.	ote the
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/Paper No./Mail Date 1 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. ☐ Interview Summa Paper No./Mail D 08), 7. ☐ Examiner's Amen)ate	·

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DETAILED ACTION

Allowable Subject Matter

1. Claims 1-14 are allowed.

2. The following is an examiner's statement of reasons for allowance: the prior art, either singly or in combination fails to anticipate or render obvious, the limitations of:

...forming double caps in the second layer of semi-conducting material;

forming spacers adjacent sides of each of the double caps;

forming double fins in the first layer of semi-conducting material beneath the double caps; and

thinning double fins to produce narrow double fins, as required by claim 1.

Lastly the prior art, either singly or in combination fails to anticipate or render obvious, the limitations of:

... etching the Si_3N_4 layer to form double caps, wherein each of the double caps comprises a rectangular cross-section with a width ranging from 50Å to about 500Å;

depositing and etching an oxide material to form spacers adjacent sides of each of the double caps, wherein the oxide material comprises at least one SiO and SiO₂; etching the silicon layer to form fins beneath each of the double caps; and

thermally oxidating the fins to thin the fins so as to produce narrow fins, wherein each of the narrow fins comprises a thickness ranging from about 100Å to about 1000Å, as required by claim 14.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Walter L. Lindsay, Jr. whose telephone number is (571) 272-1674. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John F Niebling can be reached on (571) 272-1679. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Welter L. Linday Mr. May 6, 2004 Jonn F. Niebling
Supervisory Patent Examiner
Technology Center 2800